

# Contents

SMEDLEY, M. J. and STANISSTREET, M. Calcium and neurulation in mammalian embryos	1-14
SMITH, L. J. Embryonic axis orientation in the mouse and its correlation with blastocyst relationships to the uterus. II. Relationships from 4½ to 9½ days	15-35
KINTNER, C. R. and BROCKES, J. P. Monoclonal antibodies to the cells of a regenerating limb	37-55
SALÓ, E. and BAGUÑA, J. Cell movement in intact and regenerating planarians. Quantitation using chromosomal, nuclear and cytoplasmic markers	57-70
MEULER, D. C. and MALACINSKI, G. M. An analysis of protein synthesis patterns during early embryogenesis of the urodele - <i>Ambystoma mexicanum</i>	71-92
OSTER, G. F., MURRAY, J. D. and MAINI, P. K. A model for chondrogenic condensations in the developing limb: the role of extracellular matrix and cell tractions	93-112
SÁNCHEZ, E. R. and ERICKSON, R. P. Expression of the <i>Tcp-1</i> locus of the mouse during early embryogenesis	113-122
SÁNCHEZ, E. R., HAMMERBERG, C. and ERICKSON, R. P. Quantitation of two-dimensional gel proteins reveals unequal amounts of <i>Tcp-1</i> gene products during mouse spermatogenesis but no correlation with transmission ratio distortion	123-131
SMITH, R. K. W. and JOHNSON, M. H. DNA replication and compaction in the cleaving embryo of the mouse	133-148
MILLER, J. G. O. and SCHULTZ, G. A. Amino acid transport in mouse blastocyst compartments	149-158
DUNLOP, S. A. and BEAZLEY, L. D. Cell distributions in the retinal ganglion cell layer of adult Leptodactylid frogs after premetamorphic eye rotation	159-173
FLEMING, T. P. and PICKERING, S. J. Maturation and polarization of the endocytotic system in outside blastomeres during mouse preimplantation development	175-208
LAING, N. G. and LAMB, A. H. Muscle fibre types and innervation of the chick embryo limb following cervical spinal cord removal	209-222
KIDDER, G. M. and CONLON, R. A. Utilization of cytoplasmic poly(A) <sup>+</sup> RNA for protein synthesis in preimplantation mouse embryos	223-234
KHANER, O., MITRANI, E. and EYAL-GILADI, H. Developmental potencies of area opaca and marginal zone areas of early chick blastoderms	235-241
KIMATA, K., SAKAKURA, T., INAGUMA, Y., KATO, M. and NISHIZUKA, Y. Participation of two different mesenchymes in the developing mouse mammary gland: synthesis of basement membrane components by fat pad precursor cells	243-257
NEFF, A. W., MALACINSKI, G. M. and CHUNG, H.-M. Microgravity simulation as a probe for understanding early <i>Xenopus</i> pattern specification	259-274
JEFFERY, W. R. Identification of proteins and mRNAs in isolated yellow crescents of ascidian eggs	275-287
DALE, L., SMITH, J. C. and SLACK, J. M. W. Mesoderm induction in <i>Xenopus laevis</i> : a quantitative study using a cell lineage label and tissue-specific antibodies	289-312
TOMLINSON, A. The cellular dynamics of pattern formation in the eye of <i>Drosophila</i>	313-331
WIGMORE, P. and HOLDER, N. Regeneration from isolated half limbs in the upper arm of the axolotl	333-347
INGHAM, P. W. A clonal analysis of the requirement for the <i>trithorax</i> gene in the diversification of segments in <i>Drosophila</i>	349-365
GAY, S. W. and KOSHER, R. A. Prostaglandin synthesis during the course of limb cartilage differentiation <i>in vitro</i>	367-382
TAYLOR, J. S. H. and GAZE, R. M. The effects of the fibre environment on the paths taken by regenerating optic nerve fibres in <i>Xenopus</i>	383-401
INDEX OF AUTHORS AND TITLES	403-404
SUBJECT INDEX	405-409